TABLE III

Atom No	Atom Type	Residue	Residue No	X	Y	Z
1	N	MET	1	72.758	18.059	42.898
5	CA	MET	1	71.380	18.364	42.480
6	CB	MET	1	71.095	19.844	42.710
7	CG	MET	1	71.243	20.213	44.185
8	SD	MET	1	71.006	21.960	44.593
9	CE	MET	1	71.254	21.878	46.384
10	C	MET	1	71.207	18.014	41.009
11	O	MET	1	71.238	16.842	40.616
12	N	LEU	2	70.986	19.046	40.218
14	CA	LEU	2	70.952	18.893	38.761
15	CB	LEU	2	70.353	20.131	38.086
16	CG	LEU	2	71.252	21.370	38.142
17	CD1	LEU	2	71.216	22.146	36.830
18	CD2	LEU	2	70.938	22.288	39.318
19	C	LEU	2	72.378	18.670	38.271
20	O	LEU	2	73.336	18.899	39.017
21	N	ILE	3	72.514	18.088	37.093
23	CA	ILE	3	73.852	17.908	36.523
24	CB	ILE	3	74.157	16.402	36.481
25	CG2	ILE	3	72.927	15.546	36.164
26	CG1	ILE	3	75.313	16.059	35.547
27	CD1	ILE	3	75.464	14.551	35.390
28	C	ILE	3	74.008	18.599	35.157
29	O	ILE	3	74.786	19.563	35.059
30	N	LEU	4	73.046	18.342	34.279
32	CA	LEU	4	73.080	18.687	32.840
33	CB	LEU	4	71.980	19.715	32.589
34	CG	LEU	4	71.264	19.480	31.256
35	CD1	LEU	4	70.664	18.079	31.192
36	CD2	LEU	4	70.192	20.538	31.012
37	C	LEU	4	74.443	19.219	32.368
38	O	LEU	4	75.480	18.585	32.587
39	N	THR	5	74.435	20.378	31.734
41	CA	THR	5	75.678	20.983	31.245
42	CB	THR	5	75.424	21.580	29.868
43	OG1	THR	5	74.553	22.695	30.021
44	CG2	THR	5	74.775	20.562	28.940
45	C	THR	5	76.192	22.091	32.160
46	O	THR	5	77.132	22.807	31.796
47	N	LYS	6	75.564	22.262	33.311
49	CA	LYS	6	75.885	23.431	34.135
50	CB	LYS	6	74.572	24.149	34.427
51	CG	LYS	6	74.785	25.422	35.235
52	CD	LYS	6	73.460	26.082	35.588
53	CE	LYS	6	73.680	27.366	36.377
54	NZ	LYS	6	72.398	28.005	36.717
55	C	LYS	6	76.568	23.072	35.451
56	O	LYS	6	77.356	23.860	35.987
57	N	THR	7	76.295	21.880	35.951
59	CA	THR	7	76.793	21.503	37.278
60	CB	THR	7	75.631	21.497	38.264
61	OG1	THR	7	74.529	20.922	37.589
62	CG2	THR	7	75.218	22.906	38.675
63	C	THR	7	77.492	20.147	37.286
64	O	THR	7	77.832	19.637	38.365
65	N	ALA	8	77.702	19.578	36.110
67	CA	ALA	8	78.417	18.299	35.992
68	CB	ALA	8	78.292	17.813	34.552
69	C	ALA	8	79.899	18.436	36.334
70	O	ALA	8	80.707	18.831	35.487
71	N	GLY	9	80.240	18.096	37.566
73	CA	GLY	9	81.629	18.176	38.015
74	C	GLY	9	81.808	19.107	39.212
75	O	GLY	9	82.946	19.392	39.605
76	N	VAL	10	80.710	19.598	39.767
78	CA	VAL	10	80.818	20.476	40.940

TABLE III (Cont.)

At m No	At m Type	Residue	Residue No	X	Y	Z
79	CB	VAL	10	79.580	21.368	41.011
80	CG1	VAL	10	79.594	22.260	42.249
81	CG2	VAL	10	79.461	22.225	39.757
82	C	VAL	10	80.959	19.640	42.210
83	O	VAL	10	81.941	19.775	42.948
84	N	PHE	11	79.993	18.751	42.407
86	CA	PHE	11	79.974	17.771	43.514
87	CB	PHE	11	81.138	16.791	43.345
88	CG	PHE	11	81.245	16.064	42.005
89	CD1	PHE	11	80.149	15.412	41.456
90	CE1	PHE	11	80.272	14.751	40.241
91	CZ	PHE	11	81.492	14.733	39.580
92	CE2	PHE	11	82.592	15.372	40.134
93	CD2	PHE	11	82.469	16.034	41.348
94	C	PHE	11	80.114	18.390	44.909
95	O	PHE	11	80.723	17.769	45.785
96	N	PHE	12	79.453	19.507	45.161
98	CA	PHE	12	79.634	20.183	46.453
99	CB	PHE	12	80.171	21.592	46.216
100	CG	PHE	12	81.622	21.651	45.740
101	CD1	PHE	12	82.556	20.752	46.240
102	CE1	PHE	12	83.875	20.808	45.807
103	CZ	PHE	12	84.262	21.766	44.879
104	CE2	PHE	12	83.331	22.671	44.387
105	CD2	PHE	12	82.012	22.616	44.820
106	C	PHE	12	78.351	20.248	47.273
107	O	PHE	12	77.973	21.324	47.752
108	N	LYS	13	77.686	19.113	47.426
110	CA	LYS	13	76.454	19.092	48.231
111	CB	LYS	13	75.269	19.578	47.391
112	CG	LYS	13	74.008	19.733	48.235
113	CD	LYS	13	74.211	20.729	49.370
114	CE	LYS	13	72.978	20.826	50.260
115	NZ	LYS	13	73.225	21.726	51.398
116	C	LYS	13	76.160	17.754	48.947
117	O	LYS	13	76.367	17.711	50.168
118	N	PRO	14	75.821	16.661	48.259
119	CA	PRO	14	74.969	15.650	48.916
120	CB	PRO	14	74.494	14.746	47.820
121	CG	PRO	14	75.113	15.173	46.502
122	CD	PRO	14	75.915	16.423	46.806
123	C	PRO	14	75.657	14.829	50.012
124	O	PRO	14	75.039	14.589	51.054
125	N	SER	15	76.967	14.665	49.922
127	CA	SER	15	77.672	13.865	50.927
128	CB	SER	15	79.050	13.507	50.385
129	OG	SER	15	78.862	12.742	49.201
130	C	SER	15	77.822	14.617	52.245
131	O	SER	15	77.435	14.081	53.291
132	N	LYS	16	78.016	15.923	52.153
134	CA	LYS	16	78.201	16.722	53.366
135	CB	LYS	16	79.039	17.949	53.019
136	CG	LYS	16	80.444	17.619	52.505
137	CD	LYS	16	81.435	17.211	53.601
138	CE	LYS	16	81.290	15.763	54.065
139	NZ	LYS	16	82.190	15.475	55.193
140	C	LYS	16	76.853	17.131	53.951
141	O	LYS	16	76.712	17.238	55.177
142	N	ARG	17	75.834	17.034	53.112
144	CA	ARG	17	74.455	17.266	53.535
145	CB	ARG	17	73.624	17.391	52.261
146	CG	ARG	17	72.144	17.595	52.555
147	CD	ARG	17	71.279	16.866	51.533
148	NE	ARG	17	71.605	17.259	50.153
149	CZ	ARG	17	70.669	17.628	49.276
150	NH1	ARG	17	70.996	17.832	47.997
151	NH2	ARG	17	69.390	17.681	49.654
152	C	ARG	17	73.916	16.080	54.336
153	O	ARG	17	73.083	16.256	55.233

TABLE III (C nt.)

Atom No	At m Type	Residue	Residue No	X	Y	Z
154	N	LYS	18	74.466	14.903	54.083
156	CA	LYS	18	73.994	13.704	54.768
157	CB	LYS	18	73.956	12.569	53.753
158	CG	LYS	18	72.892	12.830	52.695
159	CD	LYS	18	72.965	11.820	51.557
160	CE	LYS	18	71.841	12.056	50.556
161	NZ	LYS	18	71.853	13.443	50.065
162	C	LYS	18	74.849	13.292	55.962
163	O	LYS	18	74.346	12.562	56.825
164	N	VAL	19	76.094	13.733	56.044
166	CA	VAL	19	76.881	13.322	57.212
167	CB	VAL	19	78.052	12.422	56.792
168	CG1	VAL	19	77.564	11.060	56.311
169	CG2	VAL	19	78.981	13.045	55.755
170	C	VAL	19	77.355	14.476	58.100
171	O	VAL	19	77.191	14.372	59.323
172	N	TYR	20	77.770	15.590	57.512
174	CA	TYR	20	78.405	16.666	58.288
175	CB	TYR	20	79.534	16.083	59.142
176	CG	TYR	20	79.848	16.878	60.407
177	CD1	TYR	20	78.871	17.014	61.385
178	CE1	TYR	20	79.140	17.734	62.541
179	CZ	TYR	20	80.388	18.319	62.713
180	OH	TYR	20	80.663	19.010	63.873
181	CE2	TYR	20	81.365	18.189	61.735
182	CD2	TYR	20	81.094	17.468	60.579
183	C	TYR	20	79.009	17.707	57.350
184	O	TYR	20	79.428	17.380	56.234
185	N	GLU	21	79.053	18.936	57.843
187	CA	GLU	21	79.696	20.093	57.189
188	CB	GLU	21	81.050	19.701	56.590
189	CG	GLU	21	81.865	20.889	56.091
190	CD	GLU	21	83.157	20.383	55.453
191	OE1	GLU	21	83.670	21.071	54.582
192	OE2	GLU	21	83.664	19.379	55.932
193	C	GLU	21	78.768	20.731	56.154
194	O	GLU	21	79.101	20.860	54.969
195	N	PHE	22	77.591	21.087	56.643
197	CA	PHE	22	76.612	21.915	55.916
198	CB	PHE	22	75.911	21.132	54.809
199	CG	PHE	22	76.517	21.425	53.438
200	CD1	PHE	22	76.651	20.418	52.493
201	CE1	PHE	22	77.219	20.698	51.257
202	CZ	PHE	22	77.650	21.984	50.963
203	CE2	PHE	22	77.512	22.993	51.907
204	CD2	PHE	22	76.948	22.712	53.144
205	C	PHE	22	75.608	22.504	56.903
206	O	PHE	22	74.691	21.829	57.386
207	N	LEU	23	75.838	23.762	57.232
209	CA	LEU	23	75.056	24.430	58.274
210	CB	LEU	23	75.959	25.428	58.997
211	CG	LEU	23	77.120	24.764	59.737
212	CD1	LEU	23	78.465	25.134	59.115
213	CD2	LEU	23	77.103	25.164	61.208
214	C	LEU	23	73.839	25.168	57.722
215	O	LEU	23	73.951	25.986	56.802
216	N	ARG	24	72.704	24.879	58.343
218	CA	ARG	24	71.425	25.588	58.137
219	CB	ARG	24	71.613	27.049	58.517
220	CG	ARG	24	71.907	27.201	60.003
221	CD	ARG	24	72.351	28.624	60.312
222	NE	ARG	24	73.530	28.959	59.498
223	CZ	ARG	24	74.783	28.912	59.954
224	NH1	ARG	24	75.020	28.605	61.232
225	NH2	ARG	24	75.798	29.208	59.141
226	C	ARG	24	70.809	25.518	56.739
227	O	ARG	24	71.344	26.061	55.763
228	N	SER	25	69.612	24.941	56.727
230	CA	SER	25	68.691	24.911	55.572

TABLE III (C nt.)

At m N	At m Type	Residue	Residue No	X	Y	Z
231	CB	SER	25	69.326	24.255	54.350
232	OG	SER	25	69.818	25.287	53.506
233	C	SER	25	67.432	24.134	55.944
234	O	SER	25	66.973	23.292	55.163
235	N	PHE	26	66.814	24.553	57.039
237	CA	PHE	26	65.728	23.808	57.705
238	CB	PHE	26	64.384	24.164	57.068
239	CG	PHE	26	63.237	24.254	58.077
240	CD1	PHE	26	63.486	24.749	59.351
241	CE1	PHE	26	62.456	24.834	60.278
242	CZ	PHE	26	61.176	24.423	59.932
243	CE2	PHE	26	60.927	23.926	58.659
244	CD2	PHE	26	61.957	23.841	57.731
245	C	PHE	26	65.988	22.298	57.652
246	O	PHE	26	67.131	21.855	57.837
247	N	ASN	27	64.926	21.517	57.573
249	CA	ASN	27	65.098	20.071	57.467
250	CB	ASN	27	65.054	19.460	58.859
251	CG	ASN	27	66.187	18.445	58.957
252	OD1	ASN	27	65.950	17.236	58.846
253	ND2	ASN	27	67.400	18.963	58.903
256	C	ASN	27	64.041	19.457	56.554
257	O	ASN	27	63.175	20.161	56.021
258	N	PHE	28	64.052	18.136	56.479
260	CA	PHE	28	63.213	17.383	55.534
261	CB	PHE	28	63.938	16.079	55.210
262	CG	PHE	28	65.381	16.244	54.731
263	CD1	PHE	28	65.646	16.831	53.499
264	CE1	PHE	28	66.959	16.979	53.069
265	CZ	PHE	28	68.006	16.540	53.868
266	CE2	PHE	28	67.742	15.951	55.097
267	CD2	PHE	28	66.430	15.802	55.528
268	C	PHE	28	61.817	17.053	56.075
269	O	PHE	28	61.382	15.898	56.006
270	N	HIS	29	61.111	18.054	56.574
272	CA	HIS	29	59.770	17.821	57.114
273	CB	HIS	29	59.742	18.252	58.574
274	CG	HIS	29	58.542	17.714	59.321
275	ND1	HIS	29	58.132	16.431	59.341
277	CE1	HIS	29	57.030	16.326	60.110
278	NE2	HIS	29	56.744	17.561	60.585
279	CD2	HIS	29	57.669	18.426	60.109
280	C	HIS	29	58.727	18.597	56.311
281	O	HIS	29	58.649	19.828	56.385
282	N	PRO	30	57.937	17.855	55.552
283	CA	PRO	30	57.004	18.446	54.583
284	CB	PRO	30	56.495	17.292	53.775
285	CG	PRO	30	57.043	15.994	54.346
286	CD	PRO	30	57.960	16.391	55.489
287	C	PRO	30	55.845	19.198	55.237
288	O	PRO	30	55.367	18.841	56.320
289	N	GLY	31	55.415	20.246	54.556
291	CA	GLY	31	54.253	21.032	54.985
292	C	GLY	31	53.389	21.378	53.776
293	O	GLY	31	53.907	21.772	52.724
294	N	THR	32	52.086	21.202	53.918
296	CA	THR	32	51.185	21.445	52.785
297	CB	THR	32	49.955	20.552	52.927
298	OG1	THR	32	50.389	19.263	53.339
299	CG2	THR	32	49.215	20.386	51.603
300	C	THR	32	50.821	22.932	52.718
301	O	THR	32	50.569	23.581	53.739
302	N	LEU	33	50.829	23.454	51.503
304	CA	LEU	33	50.695	24.896	51.259
305	CB	LEU	33	51.120	25.207	49.827
306	CG	LEU	33	52.611	25.533	49.683
307	CD1	LEU	33	53.028	26.613	50.675
308	CD2	LEU	33	53.526	24.316	49.805
309	C	LEU	33	49.293	25.451	51.508

TABLE III (Cont.)

At m No	At m Type	Residue	Residue No	X	Y	Z
310	O	LEU	33	48.295	24.723	51.585
311	N	PHE	34	49.275	26.751	51.754
313	CA	PHE	34	48.032	27.494	51.998
314	CB	PHE	34	48.212	28.339	53.257
315	CG	PHE	34	48.771	27.578	54.455
316	CD1	PHE	34	48.029	26.564	55.049
317	CE1	PHE	34	48.547	25.868	56.133
318	CZ	PHE	34	49.806	26.186	56.624
319	CE2	PHE	34	50.548	27.201	56.034
320	CD2	PHE	34	50.030	27.897	54.950
321	C	PHE	34	47.739	28.421	50.821
322	O	PHE	34	48.667	28.987	50.226
323	N	LEU	35	46.476	28.518	50.447
325	CA	LEU	35	46.104	29.403	49.339
326	CB	LEU	35	46.399	28.760	47.975
327	CG	LEU	35	45.813	27.392	47.582
328	CD1	LEU	35	46.462	26.185	48.257
329	CD2	LEU	35	44.295	27.323	47.579
330	C	LEU	35	44.674	29.920	49.479
331	O	LEU	35	43.943	29.517	50.394
332	N	HIS	36	44.319	30.896	48.661
334	CA	HIS	36	42.985	31.483	48.818
335	CB	HIS	36	42.960	32.394	50.048
336	CG	HIS	36	43.599	33.767	49.948
337	ND1	HIS	36	44.695	34.136	49.260
339	CE1	HIS	36	44.918	35.452	49.448
340	NE2	HIS	36	43.955	35.911	50.273
341	CD2	HIS	36	43.136	34.887	50.591
342	C	HIS	36	42.468	32.244	47.601
343	O	HIS	36	43.195	32.599	46.665
344	N	LYS	37	41.169	32.470	47.656
346	CA	LYS	37	40.441	33.212	46.632
347	CB	LYS	37	39.377	32.277	46.080
348	CG	LYS	37	38.668	32.849	44.862
349	CD	LYS	37	37.616	31.865	44.380
350	CE	LYS	37	36.940	32.339	43.106
351	NZ	LYS	37	37.930	32.494	42.036
352	C	LYS	37	39.799	34.460	47.241
353	O	LYS	37	38.987	34.380	48.175
354	N	ILE	38	40.172	35.598	46.684
356	CA	ILE	38	39.703	36.902	47.161
357	CB	ILE	38	40.872	37.883	47.110
358	CG2	ILE	38	40.408	39.332	47.144
359	CG1	ILE	38	41.801	37.629	48.280
360	CD1	ILE	38	41.077	37.893	49.598
361	C	ILE	38	38.528	37.416	46.338
362	O	ILE	38	38.641	37.693	45.136
363	N	VAL	39	37.406	37.548	47.020
365	CA	VAL	39	36.181	38.054	46.403
366	CB	VAL	39	35.020	37.393	47.135
367	CG1	VAL	39	33.684	37.702	46.479
368	CG2	VAL	39	35.221	35.888	47.254
369	C	VAL	39	36.077	39.567	46.572
370	O	VAL	39	35.625	40.040	47.623
371	N	LEU	40	36.531	40.324	45.589
373	CA	LEU	40	36.408	41.786	45.681
374	CB	LEU	40	37.638	42.468	45.089
375	CG	LEU	40	38.882	42.229	45.938
376	CD1	LEU	40	40.125	42.818	45.286
377	CD2	LEU	40	38.718	42.788	47.347
378	C	LEU	40	35.147	42.272	44.976
379	O	LEU	40	34.179	41.516	44.817
380	N	GLY	41	35.089	43.576	44.772
382	CA	GLY	41	34.013	44.169	43.974
383	C	GLY	41	32.795	44.569	44.801
384	O	GLY	41	32.306	43.816	45.654
385	N	ILE	42	32.316	45.770	44.528
387	CA	ILE	42	31.117	46.294	45.185
388	CB	ILE	42	31.069	47.799	44.933

TABLE III (Cont.)

At m N	At m Type	Residue	Residue No	X	Y	Z
389	CG2	ILE	42	29.987	48.464	45.773
390	CG1	ILE	42	32.415	48.439	45.238
391	CD1	ILE	42	32.391	49.939	44.966
392	C	ILE	42	29.859	45.645	44.609
393	O	ILE	42	29.452	45.956	43.481
394	N	GLU	43	29.120	44.979	45.487
396	CA	GLU	43	27.882	44.275	45.101
397	CB	GLU	43	27.564	43.224	46.160
398	CG	GLU	43	27.296	43.853	47.523
399	CD	GLU	43	27.058	42.764	48.565
400	OE1	GLU	43	25.904	42.497	48.863
401	OE2	GLU	43	28.046	42.284	49.101
402	C	GLU	43	26.662	45.189	44.901
403	O	GLU	43	25.615	44.734	44.423
404	N	THR	44	26.839	46.480	45.134
406	CA	THR	44	25.764	47.445	44.912
407	CB	THR	44	25.846	48.535	45.972
408	OG1	THR	44	26.948	49.377	45.668
409	CG2	THR	44	26.019	47.962	47.375
410	C	THR	44	25.879	48.098	43.536
411	O	THR	44	25.122	49.028	43.242
412	N	SER	45	26.897	47.719	42.780
414	CA	SER	45	27.088	48.280	41.441
415	CB	SER	45	28.342	49.147	41.439
416	OG	SER	45	29.437	48.371	41.904
417	C	SER	45	27.186	47.186	40.382
418	O	SER	45	28.154	46.416	40.378
419	N	CYS	46	26.343	47.336	39.373
421	CA	CYS	46	26.101	46.364	38.289
422	CB	CYS	46	25.807	47.153	37.026
423	SG	CYS	46	24.294	48.136	37.042
424	C	CYS	46	27.218	45.359	38.014
425	O	CYS	46	27.314	44.334	38.700
426	N	ASP	47	28.132	45.683	37.114
428	CA	ASP	47	29.192	44.715	36.769
429	CB	ASP	47	29.709	44.966	35.363
430	CG	ASP	47	28.614	44.600	34.376
431	OD1	ASP	47	28.501	45.312	33.390
432	OD2	ASP	47	27.760	43.803	34.747
433	C	ASP	47	30.368	44.670	37.740
434	O	ASP	47	31.245	43.812	37.596
435	N	ASP	48	30.317	45.453	38.802
437	CA	ASP	48	31.371	45.400	39.807
438	CB	ASP	48	31.587	46.798	40.364
439	CG	ASP	48	32.860	46.841	41.197
440	OD1	ASP	48	33.785	46.109	40.875
441	OD2	ASP	48	32.865	47.548	42.194
442	C	ASP	48	30.981	44.393	40.897
443	O	ASP	48	31.839	43.960	41.678
444	N	THR	49	29.759	43.881	40.797
446	CA	THR	49	29.328	42.729	41.602
447	CB	THR	49	27.811	42.608	41.600
448	OG1	THR	49	27.411	42.054	40.353
449	CG2	THR	49	27.109	43.936	41.787
450	C	THR	49	29.814	41.411	41.010
451	O	THR	49	29.575	40.363	41.623
452	N	ALA	50	30.524	41.460	39.889
454	CA	ALA	50	30.972	40.252	39.194
455	CB	ALA	50	31.836	40.665	38.008
456	C	ALA	50	31.789	39.341	40.093
457	O	ALA	50	31.323	38.232	40.377
458	N	ALA	51	32.746	39.914	40.802
460	CA	ALA	51	33.617	39.105	41.656
461	CB	ALA	51	34.723	40.005	42.177
462	C	ALA	51	32.852	38.483	42.822
463	O	ALA	51	32.878	37.249	42.958
464	N	ALA	52	31.936	39.250	43.393
466	CA	ALA	52	31.099	38.752	44.487
467	CB	ALA	52	30.198	39.883	44.971

TABLE III (Cont.)

At m No	At m Type	Residue	Residue No	X	Y	Z
468	C	ALA	52	30.249	37.554	44.071
469	O	ALA	52	30.542	36.430	44.511
470	N	VAL	53	29.453	37.723	43.027
472	CA	VAL	53	28.505	36.665	42.660
473	CB	VAL	53	27.369	37.267	41.831
474	CG1	VAL	53	26.574	38.273	42.658
475	CG2	VAL	53	27.852	37.914	40.535
476	C	VAL	53	29.152	35.487	41.928
477	O	VAL	53	28.722	34.350	42.161
478	N	VAL	54	30.316	35.692	41.331
480	CA	VAL	54	31.003	34.594	40.649
481	CB	VAL	54	32.044	35.193	39.700
482	CG1	VAL	54	33.067	34.170	39.225
483	CG2	VAL	54	31.388	35.880	38.508
484	C	VAL	54	31.689	33.665	41.644
485	O	VAL	54	31.591	32.441	41.498
486	N	ASP	55	32.131	34.221	42.761
488	CA	ASP	55	32.904	33.420	43.712
489	CB	ASP	55	33.901	34.320	44.429
490	CG	ASP	55	34.767	35.146	43.478
491	OD1	ASP	55	35.323	36.125	43.953
492	OD2	ASP	55	34.957	34.742	42.335
493	C	ASP	55	32.012	32.794	44.772
494	O	ASP	55	32.328	31.721	45.305
495	N	GLU	56	30.873	33.422	45.012
497	CA	GLU	56	29.954	32.933	46.040
498	CB	GLU	56	29.262	34.147	46.645
499	CG	GLU	56	30.303	35.047	47.308
500	CD	GLU	56	29.715	36.414	47.643
501	OE1	GLU	56	30.294	37.085	48.486
502	OE2	GLU	56	28.793	36.823	46.950
503	C	GLU	56	28.947	31.944	45.462
504	O	GLU	56	28.535	31.004	46.154
505	N	THR	57	28.676	32.063	44.175
507	CA	THR	57	27.897	31.032	43.495
508	CB	THR	57	27.021	31.680	42.417
509	OG1	THR	57	26.424	32.830	43.004
510	CG2	THR	57	25.883	30.785	41.920
511	C	THR	57	28.915	30.030	42.954
512	O	THR	57	29.638	29.421	43.755
513	N	GLY	58	29.002	29.890	41.645
515	CA	GLY	58	30.011	29.034	41.020
516	C	GLY	58	29.940	27.555	41.388
517	O	GLY	58	30.260	27.182	42.526
518	N	ASN	59	29.950	26.757	40.331
520	CA	ASN	59	29.886	25.290	40.424
521	CB	ASN	59	29.433	24.753	39.070
522	CG	ASN	59	28.287	25.584	38.494
523	OD1	ASN	59	27.289	25.870	39.166
524	ND2	ASN	59	28.452	25.966	37.239
527	C	ASN	59	31.244	24.658	40.754
528	O	ASN	59	31.373	23.429	40.776
529	N	VAL	60	32.258	25.495	40.919
531	CA	VAL	60	33.580	25.045	41.350
532	CB	VAL	60	34.577	25.479	40.277
533	CG1	VAL	60	35.973	24.943	40.556
534	CG2	VAL	60	34.125	25.038	38.889
535	C	VAL	60	33.952	25.666	42.709
536	O	VAL	60	34.883	25.195	43.376
537	N	LEU	61	33.174	26.641	43.164
539	CA	LEU	61	33.552	27.387	44.378
540	CB	LEU	61	33.869	28.835	44.026
541	CG	LEU	61	35.370	29.105	44.093
542	CD1	LEU	61	35.934	28.681	45.446
543	CD2	LEU	61	36.130	28.416	42.969
544	C	LEU	61	32.493	27.360	45.479
545	O	LEU	61	32.142	26.282	45.981
546	N	GLY	62	32.027	28.547	45.852
548	CA	GLY	62	31.106	28.748	46.988

TABLE III (C nt.)

At m No	At m Type	Residue	Residue No	X	Y	Z
549	C	GLY	62	29.956	27.752	47.059
550	O	GLY	62	29.954	26.861	47.917
551	N	GLU	63	29.107	27.776	46.047
553	CA	GLU	63	27.944	26.881	46.004
554	CB	GLU	63	26.833	27.553	45.209
555	CG	GLU	63	26.260	28.727	45.997
556	CD	GLU	63	25.212	29.461	45.169
557	OE1	GLU	63	25.169	30.681	45.259
558	OE2	GLU	63	24.591	28.811	44.340
559	C	GLU	63	28.241	25.481	45.453
560	O	GLU	63	27.310	24.685	45.278
561	N	ALA	64	29.500	25.178	45.182
563	CA	ALA	64	29.878	23.811	44.831
564	CB	ALA	64	31.107	23.843	43.950
565	C	ALA	64	30.242	23.068	46.103
566	O	ALA	64	30.052	21.853	46.188
567	N	ILE	65	30.793	23.805	47.057
569	CA	ILE	65	31.049	23.345	48.438
570	CB	ILE	65	29.716	22.834	48.995
571	CG2	ILE	65	29.859	22.273	50.406
572	CG1	ILE	65	28.665	23.940	48.981
573	CD1	ILE	65	27.314	23.425	49.460
574	C	ILE	65	32.164	22.294	48.634
575	O	ILE	65	32.770	22.275	49.714
576	N	HIS	66	32.564	21.555	47.609
578	CA	HIS	66	33.626	20.553	47.801
579	CB	HIS	66	33.338	19.307	46.974
580	CG	HIS	66	32.054	18.569	47.306
581	ND1	HIS	66	31.449	18.483	48.507
583	CE1	HIS	66	30.332	17.737	48.392
584	NE2	HIS	66	30.238	17.338	47.103
585	CD2	HIS	66	31.295	17.838	46.424
586	C	HIS	66	35.003	21.107	47.440
587	O	HIS	66	35.665	20.654	46.494
588	N	SER	67	35.382	22.142	48.167
590	CA	SER	67	36.696	22.760	48.028
591	CB	SER	67	36.520	24.274	48.095
592	OG	SER	67	37.791	24.889	47.935
593	C	SER	67	37.567	22.269	49.176
594	O	SER	67	37.051	21.940	50.248
595	N	GLN	68	38.853	22.116	48.921
597	CA	GLN	68	39.755	21.648	49.973
598	CB	GLN	68	41.106	21.288	49.379
599	CG	GLN	68	41.050	19.888	48.784
600	CD	GLN	68	40.710	18.913	49.908
601	OE1	GLN	68	41.086	19.133	51.068
602	NE2	GLN	68	39.961	17.880	49.562
605	C	GLN	68	39.913	22.660	51.095
606	O	GLN	68	39.734	23.866	50.896
607	N	THR	69	40.410	22.172	52.220
609	CA	THR	69	40.522	22.991	53.440
610	CB	THR	69	40.691	22.037	54.623
611	OG1	THR	69	40.836	22.800	55.814
612	CG2	THR	69	41.915	21.138	54.478
613	C	THR	69	41.667	24.017	53.400
614	O	THR	69	41.719	24.931	54.229
615	N	GLU	70	42.514	23.930	52.388
617	CA	GLU	70	43.556	24.935	52.187
618	CB	GLU	70	44.850	24.229	51.814
619	CG	GLU	70	45.395	23.476	53.021
620	CD	GLU	70	46.489	22.516	52.592
621	OE1	GLU	70	47.147	21.998	53.487
622	OE2	GLU	70	46.380	22.045	51.464
623	C	GLU	70	43.168	25.956	51.122
624	O	GLU	70	43.991	26.814	50.783
625	N	VAL	71	41.960	25.840	50.587
627	CA	VAL	71	41.459	26.783	49.580
628	CB	VAL	71	40.771	26.008	48.461
629	CG1	VAL	71	40.466	26.917	47.273

TABLE III (Cont.)

At m No	At m Type	Residue	Residue No	X	Y	Z
630	CG2	VAL	71	41.613	24.826	48.006
631	C	VAL	71	40.446	27.721	50.226
632	O	VAL	71	39.229	27.540	50.098
633	N	HIS	72	40.965	28.749	50.868
635	CA	HIS	72	40.127	29.663	51.647
636	CB	HIS	72	41.044	30.435	52.588
637	CG	HIS	72	41.948	29.553	53.428
638	ND1	HIS	72	43.271	29.357	53.249
640	CE1	HIS	72	43.726	28.508	54.193
641	NE2	HIS	72	42.677	28.161	54.972
642	CD2	HIS	72	41.576	28.798	54.516
643	C	HIS	72	39.364	30.630	50.748
644	O	HIS	72	39.949	31.294	49.889
645	N	LEU	73	38.056	30.676	50.920
647	CA	LEU	73	37.229	31.608	50.142
648	CB	LEU	73	36.007	30.850	49.625
649	CG	LEU	73	35.093	31.729	48.777
650	CD1	LEU	73	35.822	32.254	47.548
651	CD2	LEU	73	33.839	30.970	48.360
652	C	LEU	73	36.784	32.783	51.011
653	O	LEU	73	35.924	32.622	51.886
654	N	LYS	74	37.372	33.948	50.786
656	CA	LYS	74	36.990	35.117	51.598
657	CB	LYS	74	38.118	35.579	52.522
658	CG	LYS	74	38.263	34.732	53.791
659	CD	LYS	74	39.114	33.476	53.611
660	CE	LYS	74	40.549	33.659	54.100
661	NZ	LYS	74	41.244	34.764	53.423
662	C	LYS	74	36.543	36.309	50.760
663	O	LYS	74	37.223	36.747	49.823
664	N	THR	75	35.391	36.836	51.132
666	CA	THR	75	34.901	38.077	50.532
667	CB	THR	75	33.384	38.139	50.697
668	OG1	THR	75	32.832	37.034	49.993
669	CG2	THR	75	32.782	39.411	50.106
670	C	THR	75	35.580	39.265	51.207
671	O	THR	75	35.600	39.369	52.438
672	N	GLY	76	36.178	40.114	50.392
674	CA	GLY	76	36.874	41.295	50.891
675	C	GLY	76	36.127	42.546	50.451
676	O	GLY	76	36.074	43.543	51.186
677	N	GLY	77	35.548	42.481	49.261
679	CA	GLY	77	34.789	43.607	48.700
680	C	GLY	77	35.688	44.788	48.341
681	O	GLY	77	36.257	44.860	47.244
682	N	ILE	78	35.740	45.742	49.256
684	CA	ILE	78	36.573	46.934	49.090
685	CB	ILE	78	35.664	48.159	49.047
686	CG2	ILE	78	34.840	48.183	47.767
687	CG1	ILE	78	34.758	48.210	50.276
688	CD1	ILE	78	33.835	49.424	50.242
689	C	ILE	78	37.587	47.113	50.220
690	O	ILE	78	38.323	48.104	50.194
691	N	VAL	79	37.635	46.192	51.175
693	CA	VAL	79	38.482	46.364	52.375
694	CB	VAL	79	38.123	45.268	53.376
695	CG1	VAL	79	39.032	45.295	54.600
696	CG2	VAL	79	36.662	45.377	53.797
697	C	VAL	79	39.981	46.320	52.070
698	O	VAL	79	40.544	45.263	51.756
699	N	PRO	80	40.621	47.473	52.212
700	CA	PRO	80	41.999	47.653	51.743
701	CB	PRO	80	42.104	49.129	51.486
702	CG	PRO	80	40.894	49.830	52.094
703	CD	PRO	80	40.024	48.727	52.679
704	C	PRO	80	43.075	47.005	52.657
705	O	PRO	80	43.242	45.787	52.508
706	N	PRO	81	43.668	47.653	53.667
707	CA	PRO	81	44.952	47.144	54.174

TABLE III (Cont.)

At m No	At m Type	Residue	Residue No	X	Y	Z
708	CB	PRO	81	45.628	48.317	54.812
709	CG	PRO	81	44.610	49.422	55.001
710	CD	PRO	81	43.347	48.938	54.316
711	C	PRO	81	44.840	46.004	55.197
712	O	PRO	81	45.871	45.452	55.604
713	N	ALA	82	43.627	45.590	55.536
715	CA	ALA	82	43.446	44.549	56.548
716	CB	ALA	82	42.069	44.713	57.166
717	C	ALA	82	43.588	43.156	55.947
718	O	ALA	82	43.958	42.206	56.649
719	N	ALA	83	43.576	43.103	54.626
721	CA	ALA	83	43.722	41.836	53.915
722	CB	ALA	83	43.028	41.962	52.566
723	C	ALA	83	45.175	41.383	53.727
724	O	ALA	83	45.399	40.266	53.241
725	N	GLN	84	46.131	42.107	54.297
727	CA	GLN	84	47.546	41.739	54.125
728	CB	GLN	84	48.448	42.878	54.618
729	CG	GLN	84	48.188	43.275	56.071
730	CD	GLN	84	49.147	44.384	56.494
731	OE1	GLN	84	50.325	44.138	56.781
732	NE2	GLN	84	48.620	45.594	56.534
735	C	GLN	84	47.899	40.446	54.856
736	O	GLN	84	48.576	39.605	54.254
737	N	GLN	85	47.176	40.143	55.923
739	CA	GLN	85	47.420	38.910	56.666
740	CB	GLN	85	47.109	39.161	58.132
741	CG	GLN	85	48.057	40.221	58.682
742	CD	GLN	85	47.750	40.492	60.148
743	OE1	GLN	85	46.814	41.233	60.470
744	NE2	GLN	85	48.550	39.897	61.014
747	C	GLN	85	46.605	37.739	56.127
748	O	GLN	85	46.762	36.608	56.594
749	N	LEU	86	45.794	38.004	55.117
751	CA	LEU	86	45.043	36.946	54.453
752	CB	LEU	86	43.668	37.489	54.080
753	CG	LEU	86	42.910	37.999	55.300
754	CD1	LEU	86	41.618	38.698	54.892
755	CD2	LEU	86	42.625	36.877	56.292
756	C	LEU	86	45.780	36.521	53.186
757	O	LEU	86	45.744	35.344	52.802
758	N	HIS	87	46.532	37.455	52.616
760	CA	HIS	87	47.315	37.158	51.409
761	CB	HIS	87	47.566	38.437	50.613
762	CG	HIS	87	46.399	39.352	50.293
763	ND1	HIS	87	46.495	40.675	50.065
765	CE1	HIS	87	45.272	41.178	49.811
766	NE2	HIS	87	44.390	40.154	49.872
767	CD2	HIS	87	45.072	39.023	50.162
768	C	HIS	87	48.685	36.609	51.796
769	O	HIS	87	49.360	35.945	50.999
770	N	ARG	88	49.085	36.933	53.014
772	CA	ARG	88	50.350	36.479	53.592
773	CB	ARG	88	50.378	37.048	55.006
774	CG	ARG	88	51.621	36.688	55.801
775	CD	ARG	88	51.579	37.348	57.173
776	NE	ARG	88	50.322	37.024	57.863
777	CZ	ARG	88	50.254	36.254	58.950
778	NH1	ARG	88	49.080	36.060	59.554
779	NH2	ARG	88	51.366	35.721	59.461
780	C	ARG	88	50.443	34.957	53.615
781	O	ARG	88	49.464	34.266	53.926
782	N	GLU	89	51.598	34.462	53.191
784	CA	GLU	89	51.914	33.024	53.181
785	CB	GLU	89	51.801	32.418	54.584
786	CG	GLU	89	52.642	33.139	55.636
787	CD	GLU	89	54.103	33.219	55.211
788	OE1	GLU	89	54.486	34.272	54.715
789	OE2	GLU	89	54.809	32.237	55.384

TABLE III (Cont.)

At m No	Atom Type	Residue	Residue No	X	Y	Z
790	C	GLU	89	50.954	32.303	52.251
791	O	GLU	89	50.024	31.628	52.711
792	N	ASN	90	51.088	32.584	50.970
794	CA	ASN	90	50.183	31.987	49.992
795	CB	ASN	90	49.239	33.076	49.513
796	CG	ASN	90	47.792	32.725	49.816
797	OD1	ASN	90	47.026	32.400	48.898
798	ND2	ASN	90	47.453	32.736	51.093
801	C	ASN	90	50.934	31.421	48.796
802	O	ASN	90	51.830	32.067	48.234
803	N	ILE	91	50.533	30.238	48.371
805	CA	ILE	91	51.146	29.692	47.163
806	CB	ILE	91	51.203	28.163	47.216
807	CG2	ILE	91	49.839	27.531	47.469
808	CG1	ILE	91	51.818	27.601	45.940
809	CD1	ILE	91	51.891	26.079	45.979
810	C	ILE	91	50.409	30.202	45.927
811	O	ILE	91	51.077	30.605	44.967
812	N	GLN	92	49.113	30.447	46.062
814	CA	GLN	92	48.325	30.999	44.956
815	CB	GLN	92	47.896	29.906	43.971
816	CG	GLN	92	47.139	28.769	44.644
817	CD	GLN	92	46.541	27.790	43.638
818	OE1	GLN	92	46.117	26.689	44.011
819	NE2	GLN	92	46.475	28.215	42.389
822	C	GLN	92	47.118	31.792	45.459
823	O	GLN	92	46.200	31.277	46.112
824	N	ARG	93	47.169	33.075	45.160
826	CA	ARG	93	46.062	33.984	45.444
827	CB	ARG	93	46.623	35.305	45.950
828	CG	ARG	93	45.520	36.347	46.101
829	CD	ARG	93	46.080	37.690	46.540
830	NE	ARG	93	45.010	38.694	46.618
831	CZ	ARG	93	45.179	39.956	46.221
832	NH1	ARG	93	46.346	40.335	45.699
833	NH2	ARG	93	44.179	40.833	46.334
834	C	ARG	93	45.266	34.237	44.172
835	O	ARG	93	45.781	34.792	43.193
836	N	ILE	94	44.023	33.798	44.171
838	CA	ILE	94	43.154	34.071	43.028
839	CB	ILE	94	42.350	32.821	42.719
840	CG2	ILE	94	41.544	33.004	41.438
841	CG1	ILE	94	43.302	31.641	42.576
842	CD1	ILE	94	42.544	30.364	42.259
843	C	ILE	94	42.250	35.252	43.353
844	O	ILE	94	41.286	35.135	44.118
845	N	VAL	95	42.623	36.402	42.826
847	CA	VAL	95	41.908	37.640	43.130
848	CB	VAL	95	42.933	38.753	43.330
849	CG1	VAL	95	44.048	38.706	42.294
850	CG2	VAL	95	42.291	40.135	43.393
851	C	VAL	95	40.904	37.974	42.031
852	O	VAL	95	41.232	38.015	40.840
853	N	GLN	96	39.662	38.137	42.447
855	CA	GLN	96	38.582	38.453	41.515
856	CB	GLN	96	37.383	37.645	41.968
857	CG	GLN	96	37.774	36.181	42.075
858	CD	GLN	96	38.044	35.630	40.686
859	OE1	GLN	96	39.202	35.455	40.283
860	NE2	GLN	96	36.966	35.288	40.003
863	C	GLN	96	38.249	39.938	41.532
864	O	GLN	96	37.901	40.504	42.577
865	N	GLU	97	38.385	40.563	40.374
867	CA	GLU	97	38.095	41.997	40.242
868	CB	GLU	97	39.401	42.790	40.286
869	CG	GLU	97	40.017	42.813	41.683
870	CD	GLU	97	41.255	43.705	41.729
871	OE1	GLU	97	42.052	43.631	40.805
872	OE2	GLU	97	41.357	44.473	42.676

TABLE III (C nt.)

At m N	At m Type	Residue	Residue No	X	Y	Z
873	C	GLU	97	37.346	42.322	38.950
874	O	GLU	97	37.112	41.461	38.093
875	N	ALA	98	36.863	43.549	38.885
877	CA	ALA	98	36.244	44.047	37.654
878	CB	ALA	98	35.175	45.074	38.008
879	C	ALA	98	37.299	44.685	36.757
880	O	ALA	98	38.221	45.356	37.236
881	N	LEU	99	37.140	44.507	35.459
883	CA	LEU	99	38.082	45.075	34.490
884	CB	LEU	99	38.136	44.143	33.277
885	CG	LEU	99	39.323	44.384	32.343
886	CD1	LEU	99	39.084	45.504	31.342
887	CD2	LEU	99	40.622	44.593	33.108
888	C	LEU	99	37.617	46.479	34.110
889	O	LEU	99	36.922	46.680	33.109
890	N	SER	100	37.944	47.426	34.973
892	CA	SER	100	37.595	48.830	34.739
893	CB	SER	100	36.744	49.329	35.900
894	OG	SER	100	37.547	49.294	37.072
895	C	SER	100	38.836	49.708	34.605
896	O	SER	100	38.725	50.934	34.502
897	N	ALA	101	40.006	49.090	34.641
899	CA	ALA	101	41.258	49.849	34.522
900	CB	ALA	101	42.343	49.139	35.324
901	C	ALA	101	41.715	50.031	33.071
902	O	ALA	101	42.672	50.766	32.807
903	N	SER	102	41.040	49.359	32.153
905	CA	SER	102	41.324	49.517	30.723
906	CB	SER	102	42.272	48.415	30.264
907	OG	SER	102	41.606	47.172	30.430
908	C	SER	102	40.018	49.434	29.942
909	O	SER	102	39.074	48.768	30.383
910	N	GLY	103	39.985	50.080	28.787
912	CA	GLY	103	38.781	50.091	27.939
913	C	GLY	103	38.647	48.845	27.059
914	O	GLY	103	38.986	48.855	25.871
915	N	VAL	104	38.193	47.772	27.682
917	CA	VAL	104	37.931	46.506	26.994
918	CB	VAL	104	38.524	45.406	27.874
919	CG1	VAL	104	37.999	44.006	27.584
920	CG2	VAL	104	40.047	45.439	27.819
921	C	VAL	104	36.428	46.337	26.774
922	O	VAL	104	35.635	46.505	27.709
923	N	SER	105	36.064	45.989	25.550
925	CA	SER	105	34.660	45.839	25.144
926	CB	SER	105	34.625	45.331	23.701
927	OG	SER	105	35.275	46.280	22.867
928	C	SER	105	33.919	44.867	26.061
929	O	SER	105	34.490	43.870	26.524
930	N	PRO	106	32.628	45.120	26.216
931	CA	PRO	106	31.864	44.621	27.362
932	CB	PRO	106	30.457	45.072	27.133
933	CG	PRO	106	30.432	46.038	25.961
934	CD	PRO	106	31.865	46.123	25.468
935	C	PRO	106	31.956	43.118	27.564
936	O	PRO	106	32.047	42.345	26.598
937	N	SER	107	31.840	42.748	28.833
939	CA	SER	107	32.029	41.378	29.357
940	CB	SER	107	31.143	41.234	30.588
941	OG	SER	107	31.452	40.001	31.225
942	C	SER	107	31.695	40.265	28.369
943	O	SER	107	32.551	39.868	27.569
944	N	ASP	108	30.450	39.824	28.363
946	CA	ASP	108	30.051	38.764	27.435
947	CB	ASP	108	28.965	37.932	28.106
948	CG	ASP	108	28.585	36.743	27.233
949	OD1	ASP	108	27.396	36.570	27.018
950	OD2	ASP	108	29.491	36.120	26.701
951	C	ASP	108	29.550	39.333	26.105

TABLE III (Cont.)

At m No	At m Type	Residue	Residue No	X	Y	Z
952	O	ASP	108	29.531	38.621	25.092
953	N	LEU	109	29.451	40.650	26.039
955	CA	LEU	109	28.892	41.287	24.847
956	CB	LEU	109	28.401	42.682	25.189
957	CG	LEU	109	27.227	42.630	26.152
958	CD1	LEU	109	26.787	44.041	26.508
959	CD2	LEU	109	26.063	41.839	25.563
960	C	LEU	109	29.897	41.382	23.710
961	O	LEU	109	29.477	41.500	22.557
962	N	SER	110	31.162	41.109	23.978
964	CA	SER	110	32.130	41.060	22.886
965	CB	SER	110	33.516	41.245	23.465
966	OG	SER	110	33.500	42.482	24.154
967	C	SER	110	32.067	39.748	22.112
968	O	SER	110	32.519	39.707	20.964
969	N	ALA	111	31.385	38.749	22.652
971	CA	ALA	111	31.156	37.514	21.901
972	CB	ALA	111	31.215	36.336	22.869
973	C	ALA	111	29.793	37.533	21.202
974	O	ALA	111	29.486	36.640	20.405
975	N	ILE	112	28.996	38.549	21.495
977	CA	ILE	112	27.650	38.644	20.924
978	CB	ILE	112	26.685	38.876	22.086
979	CG2	ILE	112	25.234	38.852	21.617
980	CG1	ILE	112	26.884	37.829	23.177
981	CD1	ILE	112	25.942	38.067	24.353
982	C	ILE	112	27.531	39.789	19.909
983	O	ILE	112	26.666	39.753	19.024
984	N	ALA	113	28.433	40.752	19.994
986	CA	ALA	113	28.352	41.946	19.139
987	CB	ALA	113	28.832	43.154	19.934
988	C	ALA	113	29.156	41.838	17.850
989	O	ALA	113	29.051	40.864	17.096
990	N	THR	114	29.889	42.905	17.573
992	CA	THR	114	30.625	43.035	16.304
993	CB	THR	114	29.977	44.138	15.464
994	OG1	THR	114	29.496	45.159	16.338
995	CG2	THR	114	28.762	43.610	14.709
996	C	THR	114	32.115	43.298	16.524
997	O	THR	114	32.849	42.388	16.925
998	N	THR	115	32.545	44.505	16.181
1000	CA	THR	115	33.931	44.972	16.343
1001	CB	THR	115	34.418	44.720	17.774
1002	OG1	THR	115	33.458	45.249	18.679
1003	CG2	THR	115	35.763	45.391	18.045
1004	C	THR	115	34.852	44.302	15.335
1005	O	THR	115	35.510	43.296	15.626
1006	N	ILE	116	34.839	44.835	14.125
1008	CA	ILE	116	35.730	44.340	13.074
1009	CB	ILE	116	35.171	44.761	11.714
1010	CG2	ILE	116	34.858	46.255	11.668
1011	CG1	ILE	116	36.094	44.362	10.564
1012	CD1	ILE	116	35.552	44.820	9.218
1013	C	ILE	116	37.141	44.880	13.308
1014	O	ILE	116	37.351	46.090	13.437
1015	N	LYS	117	38.094	43.966	13.357
1017	CA	LYS	117	39.500	44.303	13.615
1018	CB	LYS	117	40.304	43.001	13.557
1019	CG	LYS	117	40.064	42.175	12.290
1020	CD	LYS	117	40.922	42.626	11.108
1021	CE	LYS	117	40.574	41.867	9.834
1022	NZ	LYS	117	41.379	42.346	8.700
1023	C	LYS	117	40.083	45.352	12.660
1024	O	LYS	117	39.606	45.521	11.532
1025	N	PRO	118	40.994	46.160	13.179
1026	CA	PRO	118	41.169	46.345	14.626
1027	CB	PRO	118	42.567	46.869	14.729
1028	CG	PRO	118	42.975	47.433	13.373
1029	CD	PRO	118	41.854	47.067	12.413

TABLE III (C nt.)

At m N	Atom Type	Residue	Residue No	X	Y	Z
1030	C	PRO	118	40.214	47.365	15.269
1031	O	PRO	118	40.309	47.613	16.479
1032	N	GLY	119	39.327	47.962	14.489
1034	CA	GLY	119	38.555	49.111	14.964
1035	C	GLY	119	39.469	50.331	15.003
1036	O	GLY	119	39.689	51.008	13.993
1037	N	LEU	120	40.016	50.573	16.182
1039	CA	LEU	120	41.007	51.630	16.369
1040	CB	LEU	120	40.268	52.943	16.620
1041	CG	LEU	120	41.177	54.159	16.468
1042	CD1	LEU	120	41.834	54.180	15.092
1043	CD2	LEU	120	40.403	55.448	16.715
1044	C	LEU	120	41.896	51.263	17.557
1045	O	LEU	120	42.816	52.001	17.929
1046	N	ALA	121	41.646	50.087	18.109
1048	CA	ALA	121	42.337	49.686	19.334
1049	CB	ALA	121	41.329	49.692	20.479
1050	C	ALA	121	42.985	48.312	19.224
1051	O	ALA	121	42.897	47.630	18.199
1052	N	LEU	122	43.763	48.000	20.247
1054	CA	LEU	122	44.370	46.672	20.372
1055	CB	LEU	122	45.817	46.826	20.831
1056	CG	LEU	122	46.654	47.602	19.820
1057	CD1	LEU	122	48.036	47.924	20.376
1058	CD2	LEU	122	46.763	46.853	18.495
1059	C	LEU	122	43.596	45.841	21.392
1060	O	LEU	122	43.739	44.614	21.461
1061	N	SER	123	42.772	46.521	22.170
1063	CA	SER	123	41.951	45.829	23.162
1064	CB	SER	123	41.682	46.746	24.356
1065	OG	SER	123	40.911	47.862	23.930
1066	C	SER	123	40.640	45.376	22.535
1067	O	SER	123	39.904	46.165	21.929
1068	N	LEU	124	40.403	44.080	22.625
1070	CA	LEU	124	39.143	43.505	22.151
1071	CB	LEU	124	39.362	42.041	21.798
1072	CG	LEU	124	40.350	41.895	20.648
1073	CD1	LEU	124	40.698	40.430	20.412
1074	CD2	LEU	124	39.806	42.539	19.375
1075	C	LEU	124	38.092	43.619	23.239
1076	O	LEU	124	37.731	44.726	23.651
1077	N	GLY	125	37.598	42.476	23.677
1079	CA	GLY	125	36.617	42.437	24.761
1080	C	GLY	125	36.814	41.201	25.625
1081	O	GLY	125	37.929	40.663	25.660
1082	N	VAL	126	35.769	40.820	26.352
1084	CA	VAL	126	35.746	39.574	27.151
1085	CB	VAL	126	36.096	38.390	26.233
1086	CG1	VAL	126	36.278	37.067	26.970
1087	CG2	VAL	126	35.053	38.221	25.131
1088	C	VAL	126	36.653	39.641	28.391
1089	O	VAL	126	37.772	40.166	28.346
1090	N	GLY	127	36.114	39.172	29.509
1092	CA	GLY	127	36.851	39.115	30.783
1093	C	GLY	127	38.226	38.452	30.659
1094	O	GLY	127	38.377	37.389	30.046
1095	N	LEU	128	39.213	39.098	31.255
1097	CA	LEU	128	40.607	38.647	31.141
1098	CB	LEU	128	41.471	39.862	30.823
1099	CG	LEU	128	41.048	40.523	29.514
1100	CD1	LEU	128	41.741	41.868	29.329
1101	CD2	LEU	128	41.303	39.608	28.320
1102	C	LEU	128	41.109	37.983	32.421
1103	O	LEU	128	40.430	37.983	33.454
1104	N	SER	129	42.270	37.358	32.322
1106	CA	SER	129	42.917	36.752	33.496
1107	CB	SER	129	42.667	35.251	33.495
1108	OG	SER	129	41.271	35.066	33.689
1109	C	SER	129	44.415	37.049	33.515

TABLE III (C nt.)

At m No	At m Type	Residue	Residue No	X	Y	Z
1110	O	SER	129	45.198	36.485	32.742
1111	N	PHE	130	44.793	37.917	34.434
1113	CA	PHE	130	46.171	38.407	34.524
1114	CB	PHE	130	46.125	39.872	34.948
1115	CG	PHE	130	45.560	40.802	33.873
1116	CD1	PHE	130	44.213	41.143	33.871
1117	CE1	PHE	130	43.710	41.984	32.887
1118	CZ	PHE	130	44.553	42.488	31.906
1119	CE2	PHE	130	45.899	42.150	31.908
1120	CD2	PHE	130	46.401	41.307	32.891
1121	C	PHE	130	47.031	37.591	35.489
1122	O	PHE	130	46.626	37.275	36.613
1123	N	SER	131	48.232	37.280	35.030
1125	CA	SER	131	49.210	36.513	35.822
1126	CB	SER	131	50.330	36.047	34.902
1127	OG	SER	131	51.055	37.200	34.493
1128	C	SER	131	49.827	37.354	36.934
1129	O	SER	131	49.578	38.560	37.007
1130	N	LEU	132	50.785	36.750	37.625
1132	CA	LEU	132	51.474	37.339	38.792
1133	CB	LEU	132	52.694	36.464	39.071
1134	CG	LEU	132	53.526	36.954	40.254
1135	CD1	LEU	132	52.747	36.859	41.559
1136	CD2	LEU	132	54.826	36.167	40.359
1137	C	LEU	132	51.934	38.791	38.606
1138	O	LEU	132	51.421	39.678	39.295
1139	N	GLN	133	52.707	39.073	37.568
1141	CA	GLN	133	53.226	40.441	37.397
1142	CB	GLN	133	54.392	40.396	36.414
1143	CG	GLN	133	55.002	41.780	36.227
1144	CD	GLN	133	56.073	41.761	35.141
1145	OE1	GLN	133	56.958	42.623	35.109
1146	NE2	GLN	133	55.934	40.826	34.218
1149	C	GLN	133	52.167	41.411	36.865
1150	O	GLN	133	52.083	42.553	37.342
1151	N	LEU	134	51.175	40.840	36.204
1153	CA	LEU	134	50.132	41.627	35.560
1154	CB	LEU	134	49.533	40.796	34.433
1155	CG	LEU	134	50.547	40.425	33.356
1156	CD1	LEU	134	49.952	39.415	32.381
1157	CD2	LEU	134	51.038	41.658	32.605
1158	C	LEU	134	49.035	42.009	36.549
1159	O	LEU	134	48.323	42.990	36.306
1160	N	VAL	135	49.031	41.403	37.730
1162	CA	VAL	135	48.057	41.825	38.737
1163	CB	VAL	135	47.823	40.736	39.793
1164	CG1	VAL	135	47.577	39.390	39.133
1165	CG2	VAL	135	48.942	40.596	40.820
1166	C	VAL	135	48.507	43.133	39.386
1167	O	VAL	135	47.662	44.023	39.522
1168	N	GLY	136	49.808	43.395	39.384
1170	CA	GLY	136	50.319	44.643	39.955
1171	C	GLY	136	50.011	45.781	38.996
1172	O	GLY	136	49.423	46.800	39.384
1173	N	GLN	137	50.145	45.446	37.724
1175	CA	GLN	137	49.918	46.381	36.626
1176	CB	GLN	137	50.722	45.823	35.461
1177	CG	GLN	137	52.172	45.675	35.913
1178	CD	GLN	137	52.991	44.802	34.968
1179	OE1	GLN	137	52.495	43.810	34.421
1180	NE2	GLN	137	54.275	45.108	34.901
1183	C	GLN	137	48.439	46.576	36.255
1184	O	GLN	137	48.152	47.395	35.376
1185	N	LEU	138	47.531	45.848	36.892
1187	CA	LEU	138	46.096	46.117	36.729
1188	CB	LEU	138	45.363	44.832	36.365
1189	CG	LEU	138	43.958	45.148	35.858
1190	CD1	LEU	138	44.022	45.846	34.504
1191	CD2	LEU	138	43.090	43.903	35.772

TABLE III (Cont.)

At m No	At m Type	Residue	Residue N	X	Y	Z
1192	C	LEU	138	45.502	46.697	38.020
1193	O	LEU	138	44.341	47.134	38.051
1194	N	LYS	139	46.287	46.678	39.085
1196	CA	LYS	139	45.851	47.312	40.329
1197	CB	LYS	139	46.580	46.670	41.498
1198	CG	LYS	139	46.075	45.254	41.740
1199	CD	LYS	139	46.867	44.551	42.836
1200	CE	LYS	139	46.462	43.086	42.955
1201	NZ	LYS	139	45.020	42.950	43.216
1202	C	LYS	139	46.107	48.811	40.248
1203	O	LYS	139	45.309	49.619	40.735
1204	N	LYS	140	47.159	49.173	39.537
1206	CA	LYS	140	47.270	50.541	39.022
1207	CB	LYS	140	48.745	50.928	38.973
1208	CG	LYS	140	49.570	49.936	38.167
1209	CD	LYS	140	51.045	50.313	38.200
1210	CE	LYS	140	51.899	49.291	37.465
1211	NZ	LYS	140	53.328	49.624	37.565
1212	C	LYS	140	46.619	50.536	37.633
1213	O	LYS	140	46.480	49.447	37.068
1214	N	PRO	141	46.211	51.669	37.076
1215	CA	PRO	141	46.427	53.022	37.611
1216	CB	PRO	141	46.456	53.890	36.391
1217	CG	PRO	141	45.796	53.134	35.246
1218	CD	PRO	141	45.563	51.724	35.764
1219	C	PRO	141	45.315	53.504	38.544
1220	O	PRO	141	44.575	52.709	39.131
1221	N	PHE	142	45.043	54.795	38.410
1223	CA	PHE	142	44.155	55.558	39.308
1224	CB	PHE	142	44.466	57.041	39.124
1225	CG	PHE	142	45.905	57.450	39.399
1226	CD1	PHE	142	46.419	57.384	40.689
1227	CE1	PHE	142	47.732	57.766	40.937
1228	CZ	PHE	142	48.529	58.215	39.894
1229	CE2	PHE	142	48.020	58.286	38.606
1230	CD2	PHE	142	46.708	57.905	38.357
1231	C	PHE	142	42.643	55.397	39.097
1232	O	PHE	142	41.880	56.183	39.670
1233	N	ILE	143	42.199	54.423	38.322
1235	CA	ILE	143	40.762	54.356	38.031
1236	CB	ILE	143	40.534	53.777	36.632
1237	CG2	ILE	143	39.067	53.896	36.235
1238	CG1	ILE	143	41.407	54.487	35.607
1239	CD1	ILE	143	41.231	53.878	34.220
1240	C	ILE	143	39.981	53.628	39.149
1241	O	ILE	143	39.243	54.318	39.863
1242	N	PRO	144	40.088	52.314	39.328
1243	CA	PRO	144	39.381	51.687	40.450
1244	CB	PRO	144	39.227	50.261	40.036
1245	CG	PRO	144	40.181	49.992	38.880
1246	CD	PRO	144	40.862	51.312	38.581
1247	C	PRO	144	40.182	51.811	41.744
1248	O	PRO	144	41.251	51.201	41.884
1249	N	ILE	145	39.567	52.411	42.749
1251	CA	ILE	145	40.295	52.727	43.985
1252	CB	ILE	145	39.511	53.794	44.750
1253	CG2	ILE	145	38.065	53.367	44.989
1254	CG1	ILE	145	40.196	54.157	46.064
1255	CD1	ILE	145	39.424	55.233	46.817
1256	C	ILE	145	40.598	51.512	44.871
1257	O	ILE	145	41.686	51.486	45.461
1258	N	HIS	146	39.868	50.416	44.717
1260	CA	HIS	146	40.207	49.233	45.511
1261	CB	HIS	146	38.967	48.387	45.809
1262	CG	HIS	146	38.315	47.640	44.659
1263	ND1	HIS	146	38.595	46.380	44.270
1265	CE1	HIS	146	37.799	46.046	43.230
1266	NE2	HIS	146	37.010	47.111	42.963
1267	CD2	HIS	146	37.313	48.098	43.833

TABLE III (Cont.)

At m No	Atom Type	Residue	Residue No	X	Y	Z
1268	C	HIS	146	41.309	48.415	44.839
1269	O	HIS	146	42.095	47.770	45.545
1270	N	HIS	147	41.557	48.699	43.569
1272	CA	HIS	147	42.680	48.075	42.876
1273	CB	HIS	147	42.537	48.231	41.366
1274	CG	HIS	147	41.509	47.391	40.633
1275	ND1	HIS	147	41.692	46.830	39.425
1277	CE1	HIS	147	40.571	46.174	39.062
1278	NE2	HIS	147	39.668	46.328	40.056
1279	CD2	HIS	147	40.233	47.073	41.033
1280	C	HIS	147	43.954	48.792	43.293
1281	O	HIS	147	44.918	48.131	43.690
1282	N	MET	148	43.839	50.096	43.493
1284	CA	MET	148	44.979	50.908	43.938
1285	CB	MET	148	44.555	52.366	43.882
1286	CG	MET	148	44.050	52.770	42.508
1287	SD	MET	148	43.255	54.389	42.482
1288	CE	MET	148	44.590	55.363	43.214
1289	C	MET	148	45.360	50.610	45.382
1290	O	MET	148	46.549	50.490	45.710
1291	N	GLU	149	44.361	50.278	46.181
1293	CA	GLU	149	44.609	49.942	47.581
1294	CB	GLU	149	43.284	50.062	48.315
1295	CG	GLU	149	42.832	51.518	48.339
1296	CD	GLU	149	41.381	51.628	48.790
1297	OE1	GLU	149	40.577	50.840	48.311
1298	OE2	GLU	149	41.082	52.573	49.506
1299	C	GLU	149	45.194	48.539	47.728
1300	O	GLU	149	46.136	48.359	48.511
1301	N	ALA	150	44.858	47.657	46.800
1303	CA	ALA	150	45.471	46.327	46.783
1304	CB	ALA	150	44.541	45.366	46.052
1305	C	ALA	150	46.840	46.349	46.101
1306	O	ALA	150	47.707	45.538	46.443
1307	N	HIS	151	47.105	47.395	45.337
1309	CA	HIS	151	48.415	47.583	44.718
1310	CB	HIS	151	48.313	48.720	43.708
1311	CG	HIS	151	49.572	48.945	42.903
1312	ND1	HIS	151	50.318	48.000	42.303
1314	CE1	HIS	151	51.361	48.582	41.679
1315	NE2	HIS	151	51.269	49.915	41.888
1316	CD2	HIS	151	50.169	50.154	42.638
1317	C	HIS	151	49.439	47.950	45.776
1318	O	HIS	151	50.433	47.229	45.933
1319	N	ALA	152	49.047	48.843	46.671
1321	CA	ALA	152	49.942	49.236	47.760
1322	CB	ALA	152	49.399	50.508	48.398
1323	C	ALA	152	50.049	48.140	48.815
1324	O	ALA	152	51.156	47.861	49.293
1325	N	LEU	153	48.996	47.350	48.943
1327	CA	LEU	153	48.996	46.241	49.895
1328	CB	LEU	153	47.555	45.761	50.020
1329	CG	LEU	153	47.378	44.801	51.184
1330	CD1	LEU	153	47.837	45.457	52.477
1331	CD2	LEU	153	45.923	44.366	51.292
1332	C	LEU	153	49.889	45.090	49.429
1333	O	LEU	153	50.678	44.570	50.229
1334	N	THR	154	49.952	44.870	48.125
1336	CA	THR	154	50.836	43.825	47.598
1337	CB	THR	154	50.352	43.355	46.229
1338	OG1	THR	154	50.267	44.470	45.350
1339	CG2	THR	154	48.979	42.702	46.313
1340	C	THR	154	52.282	44.298	47.507
1341	O	THR	154	53.187	43.485	47.722
1342	N	ILE	155	52.493	45.604	47.468
1344	CA	ILE	155	53.859	46.127	47.525
1345	CB	ILE	155	53.852	47.583	47.069
1346	CG2	ILE	155	55.209	48.238	47.301
1347	CG1	ILE	155	53.461	47.690	45.601

TABLE III (Cont.)

Atom N	At m Type	Residue	Residue N	X	Y	Z
1348	CD1	ILE	155	53.383	49.145	45.153
1349	C	ILE	155	54.411	46.025	48.944
1350	O	ILE	155	55.551	45.571	49.127
1351	N	ARG	156	53.538	46.171	49.928
1353	CA	ARG	156	53.962	46.010	51.319
1354	CB	ARG	156	52.926	46.671	52.221
1355	CG	ARG	156	53.058	48.189	52.158
1356	CD	ARG	156	52.002	48.897	53.000
1357	NE	ARG	156	50.692	48.912	52.331
1358	CZ	ARG	156	49.528	48.889	52.983
1359	NH1	ARG	156	49.507	48.668	54.298
1360	NH2	ARG	156	48.383	48.975	52.303
1361	C	ARG	156	54.141	44.544	51.703
1362	O	ARG	156	55.147	44.219	52.346
1363	N	LEU	157	53.399	43.663	51.053
1365	CA	LEU	157	53.533	42.229	51.325
1366	CB	LEU	157	52.238	41.568	50.879
1367	CG	LEU	157	52.082	40.182	51.482
1368	CD1	LEU	157	52.029	40.256	53.004
1369	CD2	LEU	157	50.830	39.515	50.939
1370	C	LEU	157	54.723	41.615	50.578
1371	O	LEU	157	55.286	40.597	51.011
1372	N	THR	158	55.198	42.313	49.559
1374	CA	THR	158	56.426	41.904	48.876
1375	CB	THR	158	56.415	42.475	47.461
1376	OG1	THR	158	55.319	41.899	46.765
1377	CG2	THR	158	57.689	42.130	46.697
1378	C	THR	158	57.654	42.411	49.627
1379	O	THR	158	58.636	41.670	49.751
1380	N	ASN	159	57.487	43.506	50.353
1382	CA	ASN	159	58.579	44.049	51.175
1383	CB	ASN	159	58.344	45.540	51.415
1384	CG	ASN	159	58.984	46.391	50.316
1385	OD1	ASN	159	60.146	46.794	50.434
1386	ND2	ASN	159	58.225	46.672	49.271
1389	C	ASN	159	58.689	43.326	52.517
1390	O	ASN	159	59.747	43.341	53.156
1391	N	LYS	160	57.627	42.627	52.888
1393	CA	LYS	160	57.668	41.723	54.044
1394	CB	LYS	160	56.306	41.739	54.727
1395	CG	LYS	160	55.971	43.119	55.280
1396	CD	LYS	160	56.988	43.560	56.326
1397	CE	LYS	160	56.681	44.962	56.838
1398	NZ	LYS	160	57.681	45.390	57.829
1399	C	LYS	160	58.011	40.288	53.637
1400	O	LYS	160	58.082	39.405	54.502
1401	N	VAL	161	58.226	40.085	52.342
1403	CA	VAL	161	58.497	38.774	51.726
1404	CB	VAL	161	59.952	38.392	51.995
1405	CG1	VAL	161	60.360	37.164	51.183
1406	CG2	VAL	161	60.877	39.561	51.664
1407	C	VAL	161	57.531	37.702	52.229
1408	O	VAL	161	57.915	36.741	52.906
1409	N	GLU	162	56.253	37.969	52.015
1411	CA	GLU	162	55.192	37.039	52.414
1412	CB	GLU	162	54.524	37.581	53.670
1413	CG	GLU	162	55.464	37.548	54.871
1414	CD	GLU	162	54.889	38.396	55.995
1415	OE1	GLU	162	54.980	37.975	57.138
1416	OE2	GLU	162	54.237	39.379	55.667
1417	C	GLU	162	54.171	36.915	51.293
1418	O	GLU	162	53.183	36.174	51.397
1419	N	PHE	163	54.423	37.696	50.256
1421	CA	PHE	163	53.592	37.762	49.048
1422	CB	PHE	163	54.334	38.710	48.103
1423	CG	PHE	163	53.637	39.081	46.799
1424	CD1	PHE	163	54.195	38.698	45.586
1425	CE1	PHE	163	53.568	39.039	44.395
1426	CZ	PHE	163	52.388	39.770	44.416

TABLE III (C nt.)

Atom No	At m Type	Residue	Residue No	X	Y	Z
1427	CE2	PHE	163	51.838	40.166	45.629
1428	CD2	PHE	163	52.466	39.827	46.820
1429	C	PHE	163	53.407	36.386	48.404
1430	O	PHE	163	54.332	35.566	48.402
1431	N	PRO	164	52.182	36.109	47.980
1432	CA	PRO	164	51.894	34.907	47.195
1433	CB	PRO	164	50.446	35.001	46.830
1434	CG	PRO	164	49.857	36.263	47.439
1435	CD	PRO	164	51.000	36.954	48.162
1436	C	PRO	164	52.767	34.830	45.952
1437	O	PRO	164	52.957	35.827	45.245
1438	N	PHE	165	53.263	33.637	45.673
1440	CA	PHE	165	54.170	33.477	44.531
1441	CB	PHE	165	55.102	32.301	44.791
1442	CG	PHE	165	56.109	32.564	45.907
1443	CD1	PHE	165	56.398	31.571	46.834
1444	CE1	PHE	165	57.315	31.815	47.849
1445	CZ	PHE	165	57.942	33.052	47.937
1446	CE2	PHE	165	57.653	34.044	47.010
1447	CD2	PHE	165	56.737	33.800	45.995
1448	C	PHE	165	53.409	33.276	43.228
1449	O	PHE	165	53.918	33.598	42.148
1450	N	LEU	166	52.192	32.777	43.331
1452	CA	LEU	166	51.302	32.750	42.173
1453	CB	LEU	166	50.879	31.312	41.899
1454	CG	LEU	166	52.052	30.436	41.481
1455	CD1	LEU	166	51.632	28.974	41.403
1456	CD2	LEU	166	52.638	30.903	40.152
1457	C	LEU	166	50.071	33.596	42.459
1458	O	LEU	166	49.435	33.435	43.506
1459	N	VAL	167	49.826	34.580	41.615
1461	CA	VAL	167	48.588	35.361	41.725
1462	CB	VAL	167	48.899	36.787	42.195
1463	CG1	VAL	167	47.623	37.594	42.404
1464	CG2	VAL	167	49.698	36.791	43.493
1465	C	VAL	167	47.874	35.365	40.373
1466	O	VAL	167	48.515	35.509	39.325
1467	N	LEU	168	46.594	35.034	40.403
1469	CA	LEU	168	45.781	35.023	39.182
1470	CB	LEU	168	45.316	33.590	38.929
1471	CG	LEU	168	44.952	33.318	37.468
1472	CD1	LEU	168	43.540	33.757	37.098
1473	CD2	LEU	168	45.990	33.896	36.512
1474	C	LEU	168	44.592	35.966	39.353
1475	O	LEU	168	43.703	35.726	40.179
1476	N	LEU	169	44.582	37.017	38.556
1478	CA	LEU	169	43.529	38.037	38.619
1479	CB	LEU	169	44.226	39.389	38.497
1480	CG	LEU	169	43.300	40.601	38.451
1481	CD1	LEU	169	42.305	40.606	39.599
1482	CD2	LEU	169	44.123	41.882	38.467
1483	C	LEU	169	42.489	37.874	37.512
1484	O	LEU	169	42.726	38.268	36.362
1485	N	ILE	170	41.340	37.326	37.865
1487	CA	ILE	170	40.244	37.263	36.895
1488	CB	ILE	170	39.320	36.094	37.213
1489	CG2	ILE	170	38.141	36.044	36.246
1490	CG1	ILE	170	40.089	34.779	37.168
1491	CD1	ILE	170	39.186	33.591	37.478
1492	C	ILE	170	39.492	38.589	36.926
1493	O	ILE	170	38.914	38.988	37.945
1494	N	SER	171	39.551	39.273	35.799
1496	CA	SER	171	38.973	40.610	35.668
1497	CB	SER	171	40.073	41.565	35.218
1498	OG	SER	171	40.663	41.058	34.026
1499	C	SER	171	37.799	40.618	34.691
1500	O	SER	171	37.973	40.658	33.465
1501	N	GLY	172	36.607	40.668	35.259
1503	CA	GLY	172	35.370	40.633	34.463

TABLE III (C nt.)

At m No	At m Type	Residue	Residue No	X	Y	Z
1504	C	GLY	172	35.129	41.942	33.719
1505	O	GLY	172	35.008	43.003	34.344
1506	N	GLY	173	35.127	41.850	32.397
1508	CA	GLY	173	34.954	43.008	31.506
1509	C	GLY	173	33.760	43.879	31.879
1510	O	GLY	173	32.662	43.382	32.162
1511	N	HIS	174	33.999	45.175	31.926
1513	CA	HIS	174	32.951	46.124	32.305
1514	CB	HIS	174	33.585	47.490	32.554
1515	CG	HIS	174	34.236	48.145	31.346
1516	ND1	HIS	174	35.545	48.139	31.041
1518	CE1	HIS	174	35.746	48.829	29.903
1519	NE2	HIS	174	34.544	49.287	29.486
1520	CD2	HIS	174	33.605	48.883	30.370
1521	C	HIS	174	31.879	46.253	31.227
1522	O	HIS	174	32.028	45.737	30.114
1523	N	CYS	175	30.725	46.729	31.653
1525	CA	CYS	175	29.682	47.171	30.724
1526	CB	CYS	175	28.717	46.025	30.442
1527	SG	CYS	175	27.363	46.401	29.306
1528	C	CYS	175	28.963	48.350	31.370
1529	O	CYS	175	29.166	49.514	31.002
1530	N	LEU	176	28.158	48.030	32.366
1532	CA	LEU	176	27.515	49.052	33.193
1533	CB	LEU	176	26.007	48.830	33.216
1534	CG	LEU	176	25.386	48.949	31.828
1535	CD1	LEU	176	23.922	48.523	31.846
1536	CD2	LEU	176	25.532	50.364	31.276
1537	C	LEU	176	28.076	48.962	34.605
1538	O	LEU	176	28.176	47.871	35.181
1539	N	LEU	177	28.532	50.091	35.115
1541	CA	LEU	177	29.106	50.128	36.470
1542	CB	LEU	177	30.488	50.792	36.474
1543	CG	LEU	177	31.634	49.907	35.968
1544	CD1	LEU	177	31.525	48.490	36.523
1545	CD2	LEU	177	31.753	49.882	34.447
1546	C	LEU	177	28.206	50.868	37.456
1547	O	LEU	177	28.548	50.974	38.639
1548	N	ALA	178	27.056	51.321	36.978
1550	CA	ALA	178	26.111	52.108	37.791
1551	CB	ALA	178	24.854	52.356	36.965
1552	C	ALA	178	25.729	51.419	39.099
1553	O	ALA	178	25.764	50.188	39.187
1554	N	LEU	179	25.221	52.210	40.033
1556	CA	LEU	179	24.895	51.758	41.405
1557	CB	LEU	179	24.896	52.969	42.327
1558	CG	LEU	179	26.302	53.533	42.490
1559	CD1	LEU	179	26.280	54.829	43.293
1560	CD2	LEU	179	27.226	52.508	43.141
1561	C	LEU	179	23.566	51.004	41.569
1562	O	LEU	179	22.854	51.190	42.564
1563	N	VAL	180	23.193	50.255	40.548
1565	CA	VAL	180	22.051	49.357	40.634
1566	CB	VAL	180	21.505	49.149	39.223
1567	CG1	VAL	180	20.249	48.282	39.212
1568	CG2	VAL	180	21.222	50.490	38.555
1569	C	VAL	180	22.577	48.052	41.220
1570	O	VAL	180	23.691	47.633	40.888
1571	N	GLN	181	21.834	47.491	42.157
1573	CA	GLN	181	22.244	46.240	42.800
1574	CB	GLN	181	21.184	45.847	43.826
1575	CG	GLN	181	20.864	46.971	44.808
1576	CD	GLN	181	22.076	47.318	45.668
1577	OE1	GLN	181	22.739	46.436	46.226
1578	NE2	GLN	181	22.340	48.609	45.771
1581	C	GLN	181	22.345	45.125	41.766
1582	O	GLN	181	21.447	44.958	40.933
1583	N	GLY	182	23.453	44.406	41.797
1585	CA	GLY	182	23.614	43.237	40.923

TABLE III (C nt.)

At m No	At m Type	Residue	Residue No	X	Y	Z
1586	C	GLY	182	24.017	43.525	39.472
1587	O	GLY	182	23.742	44.589	38.903
1588	N	VAL	183	24.447	42.431	38.863
1590	CA	VAL	183	24.940	42.306	37.479
1591	CB	VAL	183	24.940	40.790	37.280
1592	CG1	VAL	183	23.638	40.177	37.781
1593	CG2	VAL	183	25.225	40.343	35.859
1594	C	VAL	183	24.101	43.011	36.397
1595	O	VAL	183	22.873	43.119	36.502
1596	N	SER	184	24.788	43.536	35.388
1598	CA	SER	184	24.123	44.220	34.266
1599	CB	SER	184	25.148	44.989	33.443
1600	OG	SER	184	25.813	45.907	34.293
1601	C	SER	184	23.412	43.265	33.310
1602	O	SER	184	23.956	42.245	32.858
1603	N	ASP	185	22.235	43.706	32.902
1605	CA	ASP	185	21.439	42.980	31.911
1606	CB	ASP	185	19.968	43.330	32.114
1607	CG	ASP	185	19.104	42.288	31.422
1608	OD1	ASP	185	18.251	42.702	30.645
1609	OD2	ASP	185	19.513	41.137	31.458
1610	C	ASP	185	21.913	43.357	30.501
1611	O	ASP	185	22.807	42.682	29.981
1612	N	PHE	186	21.273	44.353	29.895
1614	CA	PHE	186	21.690	44.985	28.620
1615	CB	PHE	186	23.096	45.563	28.789
1616	CG	PHE	186	23.430	46.683	27.804
1617	CD1	PHE	186	24.630	46.672	27.107
1618	CE1	PHE	186	24.926	47.691	26.210
1619	CZ	PHE	186	24.019	48.721	26.008
1620	CE2	PHE	186	22.816	48.734	26.701
1621	CD2	PHE	186	22.521	47.714	27.599
1622	C	PHE	186	21.630	44.083	27.372
1623	O	PHE	186	22.029	42.913	27.389
1624	N	LEU	187	21.107	44.681	26.306
1626	CA	LEU	187	21.020	44.091	24.952
1627	CB	LEU	187	22.402	43.714	24.428
1628	CG	LEU	187	23.177	44.943	23.970
1629	CD1	LEU	187	24.547	44.553	23.426
1630	CD2	LEU	187	22.387	45.703	22.910
1631	C	LEU	187	20.086	42.896	24.847
1632	O	LEU	187	20.485	41.777	25.187
1633	N	LEU	188	19.074	43.101	24.013
1635	CA	LEU	188	17.939	42.177	23.777
1636	CB	LEU	188	18.116	41.384	22.466
1637	CG	LEU	188	19.538	40.919	22.115
1638	CD1	LEU	188	19.536	39.477	21.618
1639	CD2	LEU	188	20.210	41.836	21.093
1640	C	LEU	188	17.569	41.260	24.955
1641	O	LEU	188	16.786	41.677	25.814
1642	N	LEU	189	18.127	40.060	25.015
1644	CA	LEU	189	17.742	39.095	26.049
1645	CB	LEU	189	18.035	37.704	25.497
1646	CG	LEU	189	17.418	36.600	26.346
1647	CD1	LEU	189	15.905	36.766	26.440
1648	CD2	LEU	189	17.772	35.228	25.784
1649	C	LEU	189	18.510	39.322	27.357
1650	O	LEU	189	18.057	38.904	28.429
1651	N	GLY	190	19.594	40.074	27.277
1653	CA	GLY	190	20.341	40.466	28.466
1654	C	GLY	190	21.435	39.484	28.858
1655	O	GLY	190	21.899	38.660	28.059
1656	N	LYS	191	21.722	39.528	30.150
1658	CA	LYS	191	22.764	38.731	30.804
1659	CB	LYS	191	22.428	37.250	30.679
1660	CG	LYS	191	21.131	36.908	31.405
1661	CD	LYS	191	20.828	35.417	31.324
1662	CE	LYS	191	20.622	34.968	29.883
1663	NZ	LYS	191	19.481	35.669	29.273

TABLE III (C nt.)

At m No	At m Type	Residue	Residue N	X	Y	Z
1664	C	LYS	191	24.164	38.994	30.259
1665	O	LYS	191	24.973	38.055	30.216
1666	N	SER	192	24.534	40.268	30.216
1668	CA	SER	192	25.837	40.670	29.660
1669	CB	SER	192	25.823	42.172	29.400
1670	OG	SER	192	25.678	42.858	30.639
1671	C	SER	192	26.994	40.357	30.597
1672	O	SER	192	28.148	40.255	30.159
1673	N	LEU	193	26.691	40.191	31.871
1675	CA	LEU	193	27.696	39.690	32.799
1676	CB	LEU	193	27.896	40.729	33.898
1677	CG	LEU	193	28.956	40.322	34.918
1678	CD1	LEU	193	30.359	40.455	34.335
1679	CD2	LEU	193	28.832	41.152	36.188
1680	C	LEU	193	27.270	38.339	33.383
1681	O	LEU	193	28.119	37.612	33.906
1682	N	ASP	194	26.050	37.901	33.099
1684	CA	ASP	194	25.541	36.672	33.737
1685	CB	ASP	194	24.018	36.650	33.735
1686	CG	ASP	194	23.420	37.802	34.527
1687	OD1	ASP	194	23.197	37.619	35.716
1688	OD2	ASP	194	23.186	38.843	33.925
1689	C	ASP	194	25.997	35.408	33.024
1690	O	ASP	194	26.007	34.328	33.624
1691	N	ILE	195	26.431	35.549	31.783
1693	CA	ILE	195	26.986	34.397	31.074
1694	CB	ILE	195	26.667	34.571	29.594
1695	CG2	ILE	195	27.167	33.383	28.779
1696	CG1	ILE	195	25.162	34.747	29.411
1697	CD1	ILE	195	24.784	34.915	27.945
1698	C	ILE	195	28.495	34.275	31.322
1699	O	ILE	195	29.061	33.174	31.256
1700	N	ALA	196	29.067	35.336	31.868
1702	CA	ALA	196	30.495	35.347	32.209
1703	CB	ALA	196	30.908	36.784	32.507
1704	C	ALA	196	30.959	34.409	33.349
1705	O	ALA	196	32.015	33.794	33.133
1706	N	PRO	197	30.230	34.180	34.450
1707	CA	PRO	197	30.742	33.261	35.484
1708	CB	PRO	197	29.773	33.327	36.623
1709	CG	PRO	197	28.638	34.265	36.274
1710	CD	PRO	197	28.964	34.791	34.895
1711	C	PRO	197	30.904	31.799	35.061
1712	O	PRO	197	31.712	31.112	35.692
1713	N	GLY	198	30.320	31.372	33.951
1715	CA	GLY	198	30.572	30.017	33.453
1716	C	GLY	198	32.056	29.863	33.130
1717	O	GLY	198	32.782	29.148	33.839
1718	N	ASP	199	32.540	30.786	32.315
1720	CA	ASP	199	33.938	30.762	31.889
1721	CB	ASP	199	34.090	31.723	30.716
1722	CG	ASP	199	35.514	31.675	30.172
1723	OD1	ASP	199	36.102	30.602	30.205
1724	OD2	ASP	199	35.979	32.707	29.713
1725	C	ASP	199	34.895	31.163	33.011
1726	O	ASP	199	35.935	30.511	33.160
1727	N	MET	200	34.430	31.970	33.951
1729	CA	MET	200	35.295	32.369	35.066
1730	CB	MET	200	34.730	33.640	35.680
1731	CG	MET	200	34.757	34.754	34.643
1732	SD	MET	200	34.106	36.358	35.157
1733	CE	MET	200	34.421	37.255	33.619
1734	C	MET	200	35.436	31.279	36.127
1735	O	MET	200	36.536	31.112	36.672
1736	N	LEU	201	34.459	30.389	36.205
1738	CA	LEU	201	34.569	29.240	37.108
1739	CB	LEU	201	33.190	28.701	37.478
1740	CG	LEU	201	32.672	29.256	38.805
1741	CD1	LEU	201	33.685	29.047	39.923

TABLE III (C nt.)

At m No	Atom Type	Residue	Residue No	X	Y	Z
1742	CD2	LEU	201	32.272	30.724	38.735
1743	C	LEU	201	35.388	28.135	36.461
1744	O	LEU	201	36.132	27.436	37.158
1745	N	ASP	202	35.467	28.173	35.140
1747	CA	ASP	202	36.348	27.255	34.417
1748	CB	ASP	202	36.018	27.305	32.926
1749	CG	ASP	202	34.560	26.931	32.662
1750	OD1	ASP	202	34.081	26.003	33.299
1751	OD2	ASP	202	33.993	27.492	31.731
1752	C	ASP	202	37.801	27.674	34.616
1753	O	ASP	202	38.631	26.830	34.983
1754	N	LYS	203	38.025	28.980	34.666
1756	CA	LYS	203	39.368	29.521	34.901
1757	CB	LYS	203	39.322	31.039	34.808
1758	CG	LYS	203	38.851	31.549	33.455
1759	CD	LYS	203	38.667	33.059	33.514
1760	CE	LYS	203	38.099	33.624	32.220
1761	NZ	LYS	203	37.853	35.068	32.356
1762	C	LYS	203	39.889	29.167	36.286
1763	O	LYS	203	40.976	28.584	36.391
1764	N	VAL	204	39.058	29.313	37.307
1766	CA	VAL	204	39.529	28.994	38.659
1767	CB	VAL	204	38.701	29.761	39.686
1768	CG1	VAL	204	37.207	29.639	39.440
1769	CG2	VAL	204	39.046	29.344	41.108
1770	C	VAL	204	39.542	27.490	38.953
1771	O	VAL	204	40.441	27.039	39.675
1772	N	ALA	205	38.807	26.708	38.175
1774	CA	ALA	205	38.894	25.251	38.301
1775	CB	ALA	205	37.787	24.609	37.471
1776	C	ALA	205	40.238	24.770	37.782
1777	O	ALA	205	40.968	24.076	38.506
1778	N	ARG	206	40.678	25.381	36.694
1780	CA	ARG	206	41.981	25.041	36.132
1781	CB	ARG	206	42.028	25.542	34.693
1782	CG	ARG	206	41.072	24.732	33.823
1783	CD	ARG	206	41.041	25.223	32.380
1784	NE	ARG	206	40.368	26.527	32.264
1785	CZ	ARG	206	40.836	27.536	31.528
1786	NH1	ARG	206	42.031	27.435	30.941
1787	NH2	ARG	206	40.145	28.675	31.442
1788	C	ARG	206	43.132	25.628	36.946
1789	O	ARG	206	44.111	24.913	37.174
1790	N	ARG	207	42.895	26.738	37.624
1792	CA	ARG	207	43.949	27.350	38.439
1793	CB	ARG	207	43.567	28.807	38.671
1794	CG	ARG	207	44.669	29.583	39.380
1795	CD	ARG	207	45.985	29.517	38.613
1796	NE	ARG	207	46.995	30.386	39.234
1797	CZ	ARG	207	47.941	31.004	38.524
1798	NH1	ARG	207	48.050	30.770	37.215
1799	NH2	ARG	207	48.802	31.824	39.128
1800	C	ARG	207	44.154	26.633	39.778
1801	O	ARG	207	45.302	26.529	40.233
1802	N	LEU	208	43.122	25.983	40.293
1804	CA	LEU	208	43.290	25.192	41.517
1805	CB	LEU	208	41.941	24.979	42.199
1806	CG	LEU	208	41.686	25.922	43.370
1807	CD1	LEU	208	42.935	26.078	44.224
1808	CD2	LEU	208	41.202	27.286	42.913
1809	C	LEU	208	43.880	23.827	41.190
1810	O	LEU	208	44.788	23.349	41.893
1811	N	SER	209	43.535	23.325	40.015
1813	CA	SER	209	44.039	22.022	39.563
1814	CB	SER	209	43.068	21.427	38.551
1815	OG	SER	209	43.064	22.259	37.401
1816	C	SER	209	45.438	22.107	38.948
1817	O	SER	209	46.040	21.069	38.659
1818	N	LEU	210	45.971	23.314	38.819

TABLE III (Cont.)

At m N	At m Type	Residue	Residue N	X	Y	Z
1820	CA	LEU	210	47.378	23.486	38.448
1821	CB	LEU	210	47.591	24.883	37.874
1822	CG	LEU	210	47.030	25.030	36.467
1823	CD1	LEU	210	47.126	26.475	35.992
1824	CD2	LEU	210	47.735	24.088	35.497
1825	C	LEU	210	48.300	23.324	39.652
1826	O	LEU	210	49.516	23.184	39.477
1827	N	ILE	211	47.742	23.338	40.852
1829	CA	ILE	211	48.569	23.111	42.036
1830	CB	ILE	211	48.419	24.285	43.002
1831	CG2	ILE	211	49.236	24.067	44.271
1832	CG1	ILE	211	48.888	25.570	42.332
1833	CD1	ILE	211	50.383	25.528	42.035
1834	C	ILE	211	48.220	21.779	42.695
1835	O	ILE	211	49.006	20.831	42.587
1836	N	LYS	212	47.050	21.681	43.312
1838	CA	LYS	212	46.716	20.460	44.067
1839	CB	LYS	212	47.219	20.594	45.510
1840	CG	LYS	212	48.725	20.386	45.674
1841	CD	LYS	212	49.211	20.496	47.124
1842	CE	LYS	212	49.612	21.912	47.552
1843	NZ	LYS	212	48.470	22.820	47.740
1844	C	LYS	212	45.221	20.171	44.150
1845	O	LYS	212	44.833	19.113	44.658
1846	N	HIS	213	44.389	21.074	43.660
1848	CA	HIS	213	42.964	20.990	44.016
1849	CB	HIS	213	42.636	22.232	44.835
1850	CG	HIS	213	43.569	22.451	46.007
1851	ND1	HIS	213	44.433	23.471	46.171
1853	CE1	HIS	213	45.088	23.312	47.339
1854	NE2	HIS	213	44.634	22.179	47.917
1855	CD2	HIS	213	43.699	21.636	47.107
1856	C	HIS	213	41.995	20.925	42.838
1857	O	HIS	213	41.589	21.965	42.304
1858	N	PRO	214	41.567	19.726	42.483
1859	CA	PRO	214	40.335	19.575	41.702
1860	CB	PRO	214	40.378	18.154	41.233
1861	CG	PRO	214	41.405	17.397	42.067
1862	CD	PRO	214	42.053	18.434	42.971
1863	C	PRO	214	39.097	19.815	42.575
1864	O	PRO	214	38.685	18.931	43.334
1865	N	GLU	215	38.522	21.003	42.474
1867	CA	GLU	215	37.326	21.331	43.271
1868	CB	GLU	215	37.128	22.840	43.291
1869	CG	GLU	215	38.351	23.567	43.834
1870	CD	GLU	215	38.070	25.066	43.918
1871	OE1	GLU	215	38.165	25.719	42.889
1872	OE2	GLU	215	37.941	25.545	45.037
1873	C	GLU	215	36.079	20.667	42.693
1874	O	GLU	215	35.928	20.574	41.469
1875	N	CYS	216	35.205	20.197	43.566
1877	CA	CYS	216	34.007	19.491	43.095
1878	CB	CYS	216	33.994	18.090	43.694
1879	SG	CYS	216	35.406	17.043	43.271
1880	C	CYS	216	32.690	20.201	43.418
1881	O	CYS	216	32.562	20.977	44.376
1882	N	SER	217	31.735	19.954	42.536
1884	CA	SER	217	30.347	20.400	42.707
1885	CB	SER	217	29.651	20.297	41.350
1886	OG	SER	217	28.257	20.526	41.524
1887	C	SER	217	29.619	19.516	43.712
1888	O	SER	217	29.769	18.290	43.680
1889	N	THR	218	28.656	20.105	44.404
1891	CA	THR	218	27.892	19.403	45.443
1892	CB	THR	218	27.205	20.448	46.318
1893	OG1	THR	218	26.439	19.775	47.306
1894	CG2	THR	218	26.273	21.352	45.518
1895	C	THR	218	26.873	18.404	44.888
1896	O	THR	218	26.457	17.498	45.619

TABLE III (Cont.)

Atom No	Atom Type	Residue	Residue No	X	Y	Z
1897	N	MET	219	26.714	18.383	43.571
1899	CA	MET	219	25.856	17.393	42.917
1900	CB	MET	219	25.481	17.936	41.545
1901	CG	MET	219	24.797	19.291	41.673
1902	SD	MET	219	24.337	20.084	40.116
1903	CE	MET	219	23.591	21.591	40.779
1904	C	MET	219	26.557	16.038	42.762
1905	O	MET	219	25.926	15.060	42.349
1906	N	SER	220	27.838	15.981	43.102
1908	CA	SER	220	28.562	14.708	43.139
1909	CB	SER	220	29.999	14.927	42.677
1910	OG	SER	220	30.681	15.634	43.705
1911	C	SER	220	28.588	14.128	44.555
1912	O	SER	220	29.185	13.068	44.776
1913	N	GLY	221	27.985	14.829	45.502
1915	CA	GLY	221	27.957	14.358	46.888
1916	C	GLY	221	26.621	13.704	47.226
1917	O	GLY	221	25.645	14.011	46.558
1918	OXT	GLY	221	26.613	12.875	48.126